

AGENDA

From Particles and Partons to Nuclei and Fields: an international workshop and symposium in celebration of Al Mueller's 70th birthday

***** All sessions are in Room 329 in Pupin Hall. *****

FRIDAY, October 23, 2009

8:00 – 9:00 am Registration

Morning Session - I (chair - T.D. Lee)

9:00 - 9:15 am T.D. Lee (Columbia U.)

"Welcome Remarks"

9:15 - 9:45 am Nicholas Samios (BNL)

"Neutrinos: The Era of Long Baselines, Large Detectors and Intense Beams."

9:45 - 10:15 am Norman Christ (Columbia U.)

"Lattice Field Theory: Challenges and Opportunities"

10:15 - 10:45 am Larry Trueman (BNL)

"Al's Early Years at Brookhaven"

10:45 - 11:15 am COFFEE BREAK

Morning Session - II (chair - Bill Marciano)

11:15 - 11:45 am Yuri Dokshitzer (LPTHE, UPMS U. Paris 6)

"A new look for good old QCD Parton Dynamics"

11:45 - 12:15 pm Larry McLerran (BNL)

"Saturation: The Color Glass Condensate, Glasma and RHIC"

12:15 - 12:45 pm Stanley Brodsky (SLAC/Stanford U.)

"New Horizons in QCD"

12:45 - 2:00 pm LUNCH

Afternoon Session - I (chair - Rob Pisarski)

- 2:00 - 2:30 pm Edward Shuryak (Stony Brook U.)
"Weak-to-strong coupling transition, in AdS/CFT and QCD phenomenology"
- 2:30 - 3:00 pm Alex Kovner (U. of Connecticut)
"Pomeron loops with eikonal evolution"
- 3:00 - 3:30 pm Edmond Iancu (Saclay)
"High energy scattering: from weak to strong coupling"
- 3:30 - 4:00 pm *COFFEE BREAK*

Afternoon Session - II (chair - Jamal Jalilian-Marian)

- 4:00 - 4:30 pm Ian Balitsky (Old Dominion U./JLab)
"Small-x amplitudes in the next-to-leading order"
- 4:30 - 5:00 pm Yoshitaka Hatta (U. of Tsukuba)
"Jets at weak and strong coupling"
- 5:00 - 5:30 pm Anna Stasto (Pennsylvania State U.)
"Gluon and dipole cascades on the light-front"
- 5:30 - 6:00 pm Stephane Munier (Ecole Polytechnique/CNRS)
"QCD and statistical physics"

7:00 pm WINE and CHEESE RECEPTION – Pupin Hall

SATURDAY, October 24, 2009

Morning Session - I (chair - Frank Sciulli)

- 9:00 - 9:30 am Allen Caldwell (Max Planck Institute)
"Small-x physics at HERA"
- 9:30 - 10:00 am Christophe Royon (IRFU-SPP, CEA Saclay)
"Forward jets at HERA, Mueller-Navelet and jet-gap-jet at Tevatron and LHC"
- 10:00 - 10:30 am Henri Kowalski (DESY)
"J/psi Way to Nuclear Structure"
- 10:30 - 11:00 am *COFFEE BREAK*

Morning Session - II (chair - Erick Weinberg)

- 11:00 - 11:30 am Joachim Bartels (U. of Hamburg)
"R-currents correlators at weak and at strong coupling"
- 11:30 - 12:00 pm Anthony Duncan (Pittsburgh U.)
"Perturbative QCD in the late 1970s"
- 12:00 - 12:30 pm Francios Gelis (Saclay, SPhT)
"Factorization in the non-linear small-x regime of QCD"

12:30 - 2:00 pm LUNCH

Afternoon Session - I (chair - Uri Maor)

- 2:00 - 2:30 pm Lev Lipatov (Petersburg Nuclear Physics Institute)
"Scattering amplitudes and BFKL Pomeron in QCD and in N=4 SUSY"
- 2:30 - 3:00 pm Robi Peschanski (IPhT-Saclay)
"From Dipoles, to Waves and Strings"
- 3:00 - 3:30 pm Eugene Levin (Tel Aviv U.)
"A new mechanism for multiparticle production in N=4 SYM"
- 3:30 - 4:00 pm COFFEE BREAK

Afternoon Session - II (chair - Peter Paul)

- 4:00 - 4:30 pm Miklos Gyulassy (Columbia U.)
"Using Nuclei to Probe Ultra Dense Phases of Matter at RHIC and LHC"
- 4:30 - 5:00 pm Rudolf Baier (U. of Bielefeld)
"Probing the sQGP in A-A collisions by measuring energetic low-mass dileptons"
- 5:00 - 5:30 pm Gavin Salam (LPTHE, UPMS U. Paris 6, CNRS)
"Jets, underlying event and HIC"
- 5:30 - 6:00 pm Dam Son (INT)
"The axial anomaly in hydrodynamics"
- 7:00 pm BANQUET, Columbia Faculty House**

SUNDAY, October 25, 2009

Morning Session - I (chair - William Willis)

- 9:00 - 9:30 am Wit Busza (MIT)
"Saturation as seen by PHOBOS"
- 9:30 - 10:00 am Barbara Jacak (Stony Brook U.)
"Hot QCD Matter: An experimenter's dream and nightmare"
- 10:00 - 10:30 am Michael Murray (U. of Kansas)
"Forward Physics from RHIC to LHC"
- 10:30 - 11:00 am *COFFEE BREAK*

Morning Session - II (chair - Michael Tannenbaum)

- 11:00 - 11:30 am Arkady Vainshtein (U. of Minnesota)
TBA
- 11:30 - 12:00 pm Raju Venugopalan (BNL)
"The first fermi of a heavy ion collision: progress and open questions"
- 12:00 - 12:30 pm Jean-Paul Blaizot (IPhT-Saclay)
"Heavy quarks in a thermal bath"

12:30 - 1:30 pm LUNCH

Afternoon Session (chair - Bill Zajc)

- 1:30 - 2:00 pm Mark Strikman (Pennsylvania State U.)
"From color transparency to opacity"
- 2:00 - 2:30 pm Glennys Farrar (New York U.)
"UHECRs and QCD"
- 2:30 - 3:00 pm George Sterman (Stony Brook U.)
"Factorization" + Closing Remarks

ADJOURN